

San Francisco Bay Area

Hazardous Spill Prevention and Response Program

Directory of Private Response Capabilities in the Bay Area

December 1982

MAY 16 1984

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UNIVERSITY OF CALIFORNIA

ASSOCIATION OF BAY AREA GOVERNMENTS

ABAG



DIRECTORY OF PRIVATE RESPONSE CAPABILITIES IN THE BAY AREA

INTRODUCTION

The vital role of the private sector in hazardous materials spill response is apparent at both the national and regional levels. Federal reliance on private capabilities was demonstrated in 1971 when the Department of Transportation approached the Chemical Manufacturers Association about development of the national phone information service CHEMTREC. In the Bay Area, private firms are involved in most aspects of spill response, as well as playing a significant role in providing technical assistance and training to industry and government.

This directory is intended to provide basic information on private and non-profit organizations that can assist in such areas as: containment and cleanup of spills, identification of unknown substances, environmental monitoring, disposal or reclamation of spilled materials, and disaster communications. Some of these organizations are also able to provide technical information on spill management, and the safe handling of hazardous materials.

Table 1 summarizes capabilities of cleanup contractors. Table 2 lists industrial cleanup cooperatives. Table 3 lists specialized resources including:

- o laboratories and environmental monitoring firms
- o helicopter/large boat rentals
- o chemical reclamation firms
- o class I disposal sites
- o telephone information services (e.g., CHEMTREC)
- o communication assistance

These categories are not mutually exclusive.

Cleanup contractors are principally responsible for containing and cleaning up spills, but many also have capabilities for identifying unknown substances, monitoring environmental contamination, and disposing of spilled materials.

<u>Industrial cleanup cooperatives</u> generally limit their response to spills of specific materials or certain geographic areas. Within these constraints, the cooperatives are usually able to manage most aspects of response, from initial hazard assessment to disposal.

Analytical laboratories are generally capable of identifying most unknown substances or verifying suspected substances. Capabilities do vary among laboratories. Direct contact should be made with each potential contractor to clarify specific capabilities of each laboratory.

Environmental monitoring firms take field samples to identify the extent of soil, water, and air contamination. Although many environmental engineering firms are able to perform such tasks, the firms listed have experience monitoring actual spill sites and also are able to design procedures for restoring a contaminated natural environment.

Helicopter and large boat rental firms can transport personnel and equipment to the spill scene. Most private cleanup organizations can arrange their own air or land transportation to the site, but public response agencies or spillers may need this service.

Class I disposal sites are certified by the State Department of Health Services to receive most hazardous materials.

Chemical reclamation firms provide an alternative to disposal of spilled hazardous materials by purifying and reselling certain chemicals. The larger reclamation firms are listed, along with an address for a directory of firms interested in recycling specific chemicals.

Phone information services provide information on chemical hazards and the location of pipelines and other underground lines. These services are also able to notify response agencies and owners of facilities affected by spills.

Communications assistance in Targe-scale disasters can be provided by the volunteer Radio Amateur Civil Emergency Services (RACES).

Technical advice on the handling of hazardous materials, contingency planning, and other topics is available from sources too numerous to list. Environmental and chemical consulting firms, research institutes, and university departments are prime information sources.

Listings for each firm describe: the types of services offered; availability by time of day and service area; emergency response capabilities; materials handled; equipment types; licenses and government contracts; and phone numbers.

Organizations listed in this directory were identified by ABAG staff and members of the San Francisco Bay Area Spills Program Task Force, a review of Bay Area contingency plans, and company literature. While the directory contains most major response organizations, it is not comprehensive. In most cases, information was gathered or verified by telephone contact with the organization. All firms listed have had an opportunity to review these listings.

DISCLAIMER

Because it was not possible to independently verify information and because a directory of this type is rapidly outdated, ABAG and Task Force members are not responsible for any omissions or errors in the listing, or omission of a firm from the listings. Agencies interested in contracting with these organizations must contact them directly.

Listing in the directory does not constitute an endorsement or warranty by ABAG or Task Force members. ABAG and the Task Force do not guarantee or assume any responsibility or liability for the capabilities, qualifications, competence or actions of any firm listed.

RECOMMENDED USE OF DIRECTORY

This information is designed to assist public agencies in selecting potential response contractors. Potential contractors should be contacted directly for more detailed information on personnel, experience, and response time. Experienced fire and public safety personnel in the Bay Area should be contacted for objective advice on the relative capabilities of the various firms.

It is suggested that public safety or emergency services planners investigate the relative merits of these firms and select a limited number for inclusion in local contingency plans before a spill occurs. Some existing plans list so many cleanup contractors that spill scene managers may be forced to rely on the first firm listed or to spend valuable time calling several firms.

Response agencies are advised to negotiate standing contracts or open purchase orders with these private firms. Although many firms are available to respond without prior arrangement, contractual agreements can better guarantee certain response times, availability of equipment, and a clear understanding of fee schedules.

GUIDELINES FOR SELECTION OF CONTRACTORS

Local governments need to exercise discretion when requesting any particular contractor to respond to any incident, based on the needs of the situation, the capabilities of the contractors, and overall cost of services.

Selection of contractors should be made prior to an incident occurring. The following items should be considered in the selection process:

- o Areas in which service can be provided,
- o Types of materials which the contractor is qualified and willing, upon request, to handle,
- o Contractor's capability and experience in the handling of hazardous materials,
- o Governmental permits/licenses possessed by contractor relevant to handling and disposal of hazardous materials,
- o Types of spill removal equipment owned by contractor,
- o The contractor's ability to respond in remote areas by use of aircraft or road equipment,

- o Whether contractor has qualified personnel and analytical facilities for on-site identification of substances, and
- o A comprehensive schedule of fees covering all services normally rendered by contractor, including travel and "show-up" fees. (It is recognized that some services may be extraordinary and that no fees will have been established therefor. Such services could be paid for on the basis of actual cost for labor, material and equipment, plus a percentage for overhead and profit.)

In addition, before any contract is made, local governments should determine the insurance coverage of the contractor. As a guide, Caltrans requires a contractor to provide a certificate of insurance showing coverage of at least one million dollars, per incident, for personal injury and property damage, and naming the State of California as an additional insured, with the further provision that such coverage may not be cancelled without 30 days' written notice to Caltrans.

ADDITIONAL CONSIDERATION

Local governments need to ensure mechanisms for authorizing immediate emergency expenditures upwards to \$10,000. This may involve establishing an emergency reserve account. Most importantly, each local government needs to clearly establish the department and responsible personnel authorized to commit the services of a private contractor (e.g., city manager, fire chief, HazMat team member).

SUGGESTED PROVISIONS OF CONTRACTS

Where possible, contracts should be formalized with selected contractors. Such contracts should specify, but not be limited to, the following provisions:

- o service area
- o services to be provided
- o contract period (beginning, renewal, ending dates)
- o maximum expenditure authorized unless amended
- o nonexclusive (similar services may be obtained from other sources during the life of the contract)
- o cancellation (e.g., reserve the right to cancel contract upon thirty days written notice to the contractor)
- o requests for services (by whom?, in writing?, over phone?, 24-hour availability guaranteed?)
- o fair employment practices

o liability insurance provisions (e.g., contractor shall furnish a certificate of insurance stating that there is liability insurance presently in effect for contractor with coverage of not less than \$1,000,000 per incident, for personal injury and property damage).

In terms of insurance, the certificate of insurance should provide:

- That the insurer will not cancel the insured's coverage without 30 days prior written notice to the contracting agency.
- That the contracting agency, its officers, agents, employees, and servants are included as additional insureds, but only insofar as the operations under this contract are concerned.
- That the contracting agency will not be responsible for any premiums or assessments on the policy.

Contractor should agree that the liability insurance provided for shall be in effect at all times during the term of the contract. In the event the insurance coverage expires at any time or times during the term of the contract, contractor should agree to provide at least thirty (30) days prior to said expiration date, a new certificate of insurance evidencing insurance coverage as provided for not less than the remainder of the term of the contract, or for a period of not less than one (1) year. New certificates of insurance are subject to the approval of the contracting agency and contractor agrees that no work or services shall be performed prior to the giving of such approval. In the event contractors fail to keep in effect at all times the insurance coverage provided, the contracting agency may, in addition to any other remedies it may have, terminate the contract upon the occurrence of such event.

				SERVIC	CES				
Firm Name	Response Capabilities	Materials Handled	Identi- fication	Contain- ment/ Cleanup	Tech.	Other	General Equipment	Licenses/Major Contracts	Phone Number
Air-Mac Company, San Francisco Airport	24-hour regionwide response by prior contract to land spills	Petrochemicals (Flammables)	(x)	X			Vacuum and hose trucks, sweepers, cleaning agents	San Francisco Airport Contractor	(415) 692-2451
Chemical Waste Management, Santa Clara	24-hour regionwide emergency response to land spills	All spills	X	X		χ ^a	Vacuum and tank trucks, pumps bulldozers, lab equipment	Operator of Class I site	Emergency Line: (800) 742-1671 Administration: (408) 946-5094/ (408) 980-9900
Crowley Environmental Services, Richmond	24-hour regionwide emergency response to land/marine spills	Primarily oil spills (flammables)		X	X		Vacuum and tank trucks, contain- ment boom, skim- ming and pumping craft		(415) 546-2820
Environmental Emergency Services, Richmond	24-hour regionwide emergency response to land/marine spills	All, except radioactive, explosives	X	X	X		Tank truck roll- over kit, pumps, sorbents, boom, boats	Certified waste hauler. Contractor with Navy	Emergency: (800) 547-0792 Administration: (415) 234-7400
Erickson Inc., Richmond	24-hour regionwide emergency response to land/shoreline spills	All, except radioactive explosives		X			24 vacuum trucks (wet and dry types), heavy duty pumps, breathing apparatus and pro- tective suits	Certified waste hauler	(415) 235-1393
H&H Ship Service, San Francisco	24-hour national emergency response to land/marine spills	All, except radioactive	x	X	X		Cleanup equipment for land/water, construction equipment, lab and protective gear	Contractor with Coast Guard	(415) 543-4835
IT Corp., Martinez Key: () - Limited	24-hour national emergency response to land/marine spills	All, except radioactive	X	X	X	χà	20+ vacuum trucks, protective gear, aircraft, skim- ming and pumping craft, booms lab equipment	EPA, Coast Guard Contractor Certified waste hauler and Class I site operator	Emergency: (800) 262-1900 Administration: (415) 228-5100

Key: () - Limited a - Disposal service

TABLE 1 (Continued)

				SERVI					
Firm Name	Response Capabilities	Materials Handled	Identi- fication	Contain- ment/ Cleanup	Tech. Info. Oth	General er Equipment	Licenses/Major Contracts	Phone Number	
Invac Environmental, Hayward	24-hour regionwide emergency response to land/surface water spills	All		X	X	Liquid and powder vacuum trucks, water blast equipment, sorbents, protective gear	Certified waste hauler, PG&E contractor	(415) 538-0613	
Winton Jones, Concord	Non-emergency re- gionwide response, largescale inci- dents to land/ surface waters	A11		X		Vacuum trucks, earth moving equipment	Certified waste hauler	(415) 682-1870	
Marine Pollution Control Service, Benicia	Emergency water cleanup, generally as Clean Bay contractor	011		X		Vacuum boats		Generally contacted through Clean Bay (415) 685-2800	
Ryckman's Emergency Action and Consulting Team, San Francisco	Regionwide limited emergency response to major incidents	ATT	X*	X	X	Vacuum trucks, containment, de- tection equipment, breathing and protective gear	Waste hauler's permit	(800) 325-1398	
Safety Specialists, Santa Clara	Regionwide response by prior arrange- ment to land spills	All, small amounts only	X	X	X	Van with contain- ment, detection equipment (Geiger counters, breath- ing apparatus and protective suits)	Certified waste hauler. Contractor with NASA-Ames, Berkeley	(408) 988-1111	

^{*}Lab in St. Louis

TABLE 2. INDUSTRIAL CLEANUP COOPERATIVES

	Response Capabilities	Materials Handled		SERVI(CES			Licenses/Major Contracts	
Firm Name			Identi- fication	Contain- ment/ Cleanup	Tech. Info.	Other	General Equipment		Phone Number
Chlorine Institute, Dow Chemical, Pittsburg	24-hour national emergency response	Chlorine and company products, (pesticides, and various industrial chemicals)	limited to prod- ucts listed	*	X	χb	Containment, lab equipment, protec- tive gear, aircraft and special vehi- cles, chlorine emergency equipment		Contact through CHEMTREC or local agents Dow: (415) 432-5555
Clean Bay, Concord	24-hour regionwide emergency response to oil spills on Bay and Shoreline	Oil spills	X	X	X	X _p	Skimmers, work boats, booms, transportation, radio and pumping equipment		(415) 685-2800
Intel Electronics, Santa Clara	24-hour emergency response team available to fire departments and electronics manufacturers in Santa Clara County, small spills	All spills	limited	X			Van with contain- ment, monitoring equipment, pro- tective gear and reference library		(408) 987-8080
Pesticide Safety Team Network	24-hour national emergency response	Pesticides	X	X		χ ^b	Truck with contain- ment equipment and protective gear		Contact through CHEMTREC (800) 424-9300
Chevron Chemical, Richmond	24-hour national emergency response	Chevron Chemical Company products including ortho- pesticide		X		χ ^b	Truck with contain- ment equipment and protective gear		Chevron 24 hr. local number: (415) 233-3737

Key: () - Limited b - Training

			, SERVI				
Firm Name	Response Capabilities	Materials Handled	Contain- Identi- ment/ fication Cleanup	Tech. Info. Other	General Equipment	Licenses/Major Contracts	Phone Number
I. Analytical Labo	<u>ratories</u>						
Acurex Corp., Mountain View	24-hour regionwide emergency response to site	All, except radioactive, explosive chemical/ biological agents	X	, X ^Ç	GC/MS*, liquid chromatography, infrared detector, protective gear	Certified water lab EPA Contractor	(415) 964-3200
Anatec Laboratories, Inc., Santa Rosa	24-hour regionwide emergency response to site	No radiqactive or explosives	X	х ^с	Mobile lab, boats and helicopter, specialized sampling devices, gas liquid chromatograph, atomic absorption, bioassay and air monitoring equipment	Certified water lab EPA contractor	Business hours: (707) 526-7200 Evenings: (707) 526-7208
Brown & Caldwell, Emeryville	Regionwide response by prior arrange- ment to site	All except radioactive and explosive		Xcde 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GC/MS, atomic absorption, bio-assay, monitoring equipment, pro-tective gear	Cerțified water lab EPA contractor	(415) 428-2300
Cooper & Clark, Richmond	Response by prior arrangement to site	ATT TOTAL STATE	in x aging to a con-	x ⁴ (2) (4) (4)	Basic properties analysis, protective gear, air monitoring equip- ment		(415) 235-2360
Curtis & Tompkins, San Francisco	24-hour regionwide response to site	All, specializes in identifica- tion of PCBs			GC, liquid chromatography, atomic absorption, element analyzer	Certified water lab	(415) 861-1863
d - Cleanup e - Contingo f - Transpo g - Notifica	l service g mental monitoring design ency planning rtation ation	All Sections		Taber State	GC/MS, atomic absorption, mobile lab, radiochemistry and explosives analysis, field instrumentation	Certified water lab Clinical Hicense EPA and NIOSH con- tractor	(415) 235-2633
d - Cleanup e - Contingo f - Transpo	design ency planning rtation ation tion						

				SERVI	CES				
Firm Name	Response Capabilities	Materials Handled	Identi- fication	Contain- ment/ Cleanup	Tech. Info. Other	General Equipment	·Licenses/Major Contracts	Phone Number	
Fireman's Fund Risk Management Services, Inc., San Francisco	24-hour regionwide response by prior arrangement to site	All, except radioactive	X		X	GC, GC/MS, atomic absorption, visible, infrared spectrophotometer	Certified water lab Accredited industrial hygiene lab	(415) 929-2706	
Foremost-McKesson Environmental Services, Dublin	16-hour response by prior arrange- ment to sites within 50 miles	All, except radioactive	X		χ ^c	Multiple GC/MS, atomic absorption, infrared sensor, limited protective gear	Certified water lab	(415) 828-1440	
Pacific Environmental Lab, San Francisco	24-hour regionwide response. Site pickup.	Most inorganics, (primarily PCBs), solvents, vola- tile, organic chemicals	X		χ ^c	Multiple GC, atomic absorption, bioassay, microbio- logical analysis	Certified water lab	Business hours: (415) 495-6627 Evenings: (415) 937-3182	
Standard Oil, Richmond	Business-hours response. No site pickup.	All, except radioactive and explosive	X			GC, atomic absorp- tion, infrared, sensor metal detector		(415) 620-2172	
Stoner Laboratories, Santa Clara	24-hour emergency, response. No site pickup.	Primarily PCBs and solvents	limited			GC ()	Certified water lab	Business hours: (415) 727-4277 Evenings: (415) 935-3115	
Trace Analysis Laboratory, Hayward	24-hour regionwide emergency response to site	All, except radioactive and explosives	X			GC, X-ray flo- rescense analyzer, atomic, absorption, GC, limited protec- tive gear	Certified water lab	(415) 783-6960 (415) 471-1070	
Ultra Chem Corp., Walnut Creek	24-hour regionwide emergency response to site	All, except : radioactive and explosive. No toxic gases	X		χ ^c	GC/MS, atomic ab- sorption, infrared sensor, ultra- violet detectors	Certified Water lab	(415) 935-3115	

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Firm Name	Response Capabilities	Materials Handled	Identi- fication	"Contain- ment/ Cleanup	Tech. Info.	Other	General Equipment	Licenses/Major Contracts	Phone Number
II. Environmental	Monitoring								
Ecology and Environment, San Francisco	24-hour regionwide environmental and cleanup monitoring through EPA	All, except radioactive			Xch	.x ^e	Air/water moni- toring equipment, sample containers, soil meters, protective gear and breathing apparatus	EPA's Technical Assistance Team for spills	Emergency: Contact through EPA (415) 974-8131 Administration: (415) 777-2811
Emcon Associates, San Jose	24-hour regionwide response by prior arrangement	All, except compressed gases and certain radioactive	.X - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		, X ^{çd}		Sampling and groundwater monitoring equipment	Certified water lab EPA contractor	(408) 275-1444
Woodward-Clyde Consultants, San Francisco	Regionwide response by prior arrange, ment	All, except explosive and highly radio- active			xcd Service Service	X ^e	Soil meters and drills, air/water monitoring equipment, biological and other sampling devices, protective gear	EPA oil spill technical assistance contractor	(415) 956-7070
III. Helicopters									
Air Exec., Inc., Concord	24-hour regionwide crew transportation	राष्ट्र को अवेदिक के		De e K		χ ^f	2 - helicopters (2-4 passenger) 3 helicopter (1-2 passengers)	FAA Air Taxi Certif- icate. Hazardous Materials & I.D. Kit Transportation by Air on file with FAA	(415) 682-1367
Aris Helicopters, San Francisco	24-hour regionwide crew transportation	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1		(香香)(1)。(1)		x ^f ≠ ∈	4 helicopters (2-4 passengers)	FAA Air Taxi Certif- icate. Applied for Hazardous Materials Waiver.	(408) 998-3266 (408) 293-0800
Astrocopters, Oakland Airport	24-hour regionwide crew transportation	TO COMPANY				x ^f [2 helicopters (2-4 passengers)	FAA Air Taxi Certif- icate.	(415) 635-6880

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Firm Name	Response Capabilities	Materials Handled	Identi- fication	Contain- ment/ Cleanup	Tech.	Other	General Equipment	Licenses/Major Contracts	Phone Number
Commodore Helicopters, San Francisco/ Mill Valley	24-hour regionwide crew transportation. (No spills experience)					χ ^f	3 helicopters (2-4 passenger Jet Rangers, 1-6 passenger Long Ranger)	FAA Air Taxi Certif- icate	(415) 332-4482
Crane Helicopter, Fremont	24-hour regionwide crew and external equipment, transportation, Airborne firefighting					x ^f	2 helicopters (up to 14 pas- sengers) fire bucket, nets and slings	FAA Air Taxi and External Load Certificates.	Contact through IT or at: (415) 657-3001
Helicopters Unlimited, San Carlos	24-hour regionwide crew transportation (No spills experi- ence)	1 x 1 - 1 x 1 - 1 x 2 - 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1 x 1				χ ^f	2 helicopters (4-6 passengers)	FAA Air Taxi Certif- icate	(415) 595 <mark>-226</mark> 6
Larsen Helicopters, Hayward	24-hour regionwide crew and external equipment transpor- tation					x ^f	3 Hughes heli- copters (2-4 passengers) public address, basket, slings & nets, floodlights	FAA Air Taxi and External Load Cer- tificates	(415) 791-6889 24 hr: (415) 792-4165
Rotor Works, Inc., Hayward	24-hour regionwide crew and external equipment transportation	 				χ ^f	2 Sikorsky S-58T's (15-16 passengers)	FAA Air Taxi and External Load Cer- tificates	(415) 783-4000
San Francisco Helicopter Airlines, Oakland	24-hour regionwide crew and external equipment transportation	 ,				χ ^f	3 Bell Long Rangers (6 passen- gers) 1 Bell 205 (4000 lb.)	FAA Air Taxi and External Load Cer- tificates	(415) 430-8815
Spirit Airways, San Francisco	24-hour regionwide crew transportation					χ ^f	3 helicopters	FAA Air Taxi Certif- icate. IT Contractor	Contact through IT or at: (415) 495-6565

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Firm Name	Response Capabilities	Materials Handled	Identi- fication	Contain- ment/ Cleanup	Tech. Info.	Other	General Equipment	Licenses/Major Contracts	Phone Number
IV. Large Boats and	Marine Equipment								(115) 105 0101
Westar Towboat, San Francisco	24-hour Bay crew and equipment transportation					χ [†]	2 tugboats and 2 barges		(415) 495-3191
Western Tug and Barge Company, San Francisco	24-hour Bay crew and equipment transportation	r-				χ ^f	4 tugboats, booms sorbents		(415) 398-5351
V. Phone Information	on Serviçes								
CHEMTREC - Chemical Transportation Emergency Center, Washington, D.C.	24-hour national information and notification center for already identified spills. Can provide some help in identification via car number, etc.	T7: .	·(X)		X	Χ _ā	Technical library, contact lists, and shipper assistance	Primary national information center for over 10 years. Organized by the Chemical Manufacturers Association. Informal agreement with US DOT.	Emergency line (800) 424-9300
San Francisco Poison Control Center	24-hour regional information system for toxic chemicals	₩ S.	(through CAL-OSHA lab)		, , Х		Technical library and computer file	Major poison information resource for region for several years. Established by U.C. San Francisco Medical Center.	Emergency line (800) 792-0720
Bay Area Pipeliners Organization	24-hour notification of petroleum pipe-line owners	Petroleum				Χą	Contact lists		Chevron (415) 432-7590
VI. <u>Class I Disposa</u>	l Facilities								
Chemical Waste Management, Kettleman Hills, Kings County	24-hour disposal of hazardous wastes	All, except radioactive wastes, PCBs, certain sol-		e Xore	4 · X	χ ^a	Evaporation ponds, landfill	Certified Class I site	(209) 386-9711 (209) 935-2043

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TABLE 3 (Continued)

				SERVI					
Firm Name	Response Capabilities	Materials Handled	Identi- fication	Contain- ment/ Cleanup	Tech.	Other	General Equipment	Licenses/Major Contracts	Phone Number
IT Corp., Benicia and Martinez	24-hour disposal and recycling of hazardous wastes	All, except PCBs, radio- active wastes	X	X	Х	χ ^a	Evaporation ponds, landfill, recy- cling equipment	Certified Class I site	(415) 228-5100
Richmond Sanitary Service	24-hour disposal of hazardous wastes	All, except solvents, organics, paint sludges, PCBs, radioactive or drums. (Contact for further details.)	·			χ ^a	Evaporation ponds, landfills	Certified Class I site	(415) 232-5872
VII. Chemical Recl	amation								
Romic Chemical, East Palo Alto	24-hour emergency ; response to site. Not available on weekends	Solvents, petrochemicals		(X)		x ^h	4 vacuum trucks	Certified waste hauler	(415) 324-1638
Solvent Service, San Jose	Business hours response to site	All, except PCBs, radioactives and poisons		(X)	X	χ ^h	3 vacuum trucks, 2 tankers, and flatbed tractor- trailers	Certified waste hauler	(408) 286-6446
Zero Waste Systems, Oakland	24-hour emergency response to site	All, except radioactives, regulated carcinogens, banned materials	X	(X)	Х	x ^h	Trucks, lab equipment, air packs		Business hours: (415) 893-8257 Evenings: (415) 285-8798 (415) 527-9734

NOTE: A listing of firms interested in recycling specific chemicals is available from: Bill Quan, California Department of Health Services, 2151 Berkeley Way, Berkeley, CA 94704

Engineering, Public Health Departments

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Firm Name	Response Capabilities	Materials Handled	Identi- fication	Contain- ment/ Cleanup	Tech.	Other	General Equipment	Licenses/Major Contracts	Phone Number
VIII. Communication	<u>15</u>								
Radio Amateur Civil Emergency Services (RACES)	24-hour communica- tions assistance in selected areas (Alameda, Contra Costa, Marin, Sonoma Counties)					χ ⁱ	800-channel hand- held VHF trans- ceivers, etc.	FCC License sponsored by counties or cities or cities	Contact County Office of Emergency Services
Amateur Radio Emergency Service (ARES)	24-hour communica- tion assistance in selected areas (San Mateo, Santa Clara, San Francisco, Solano Counties)					χ ⁱ	800-channel hand- held VHF trans- ceivers, etc.	FCC License sponsored by counties or cities or cities	Red Cross
IX. <u>General Technic</u>	al Advisors								
o Hazardous Materials Manufacturers/Trade Associations/ Carriers o Research Institutes o Consulting Firms	Generally business hours response, with limited availability to visit site or provide immediate assistance. May be good resources for specialized information on materials, properties or design of response programs		(X) ^b		X		Variable	Generally familiarity with particular materials or training/ response program design	Direct phone
o Colleges/University Chemistry, Environmental									





ASSOCIATION OF BAY AREA GOVERNMENTS ABAG